U.S. Department of Transportation
Federal Highway Administration
Federal Lands Highway Office

WORKSHEET FOR DETERMINING SAND EQUIVALENT
AASHTO T 176

Project: _____ Source: _____

Where sampled: _____ Quantity represented: _____

Sample of: _____ Lot no.: _____ Sample No.: _____

Sampled by: _____ Date: _____ Tested by: _____ Date: _____

The following method was used to prepare the sample: ☐ Air dry ☐ Pre-wet ☐ Oven dried

NOTE: In each cylinder, place about 85 mL by volume of quartered material passing the 4.75-mm sieve.

Soaking Time (10 minutes ± 1 minute)			
Determination	1	2	3
Cylinder no.			
Starting time			
Finish time			

Sedimentation Period (20 minutes ± 15 seconds)			
Determination	1	2	3
Cylinder no.			
Starting time			
Finish time			
Sand reading			
Clay reading			
Sand equivalent (SE) values[1]			

CALCULATIONS: SE = $\frac{\textit{Sand Reading}}{\textit{Clay Reading}}$ *** 100**

Sand Equivalent (mean) [2] = ☐

Remarks: _____

_____

_____

_____

[1] Mathematically round calculated value to nearest 0.1. After rounding to nearest 0.1, then round the result up to a whole number and record.

[2] Mathematically round calculated SE mean to nearest 0.1. After rounding to nearest 0.1, then round the result up to a whole number and record that as the SE value of the sample.

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Form FHWA 1626 (Rev 10-96)